

P
Univ
J

JOHNS HOPKINS UNIVERSITY CIRCULARS

Published with the approbation of the Board of Trustees

VOL. XV.—No. 122.]

BALTIMORE, NOVEMBER, 1895.

[PRICE, 10 CENTS.]

ENUMERATION OF CLASSES, FIRST HALF-YEAR, 1895-96.

Mathematics and Astronomy. (118 Students.)

Classes meet in the Physical Laboratory, unless otherwise stated.

Mathematical Seminary: Professor CRAIG. Wednesday, 9 a. m., Room 26. (12).

Carmichael.	Hardy.	Morris.	Sayre.
Crum.	McClain.	Pattillo.	Schmiedel.
Duval.	McKinney.	Pell.	Taliaferro.

Algebraic Integrals: Professor CRAIG. Monday, Tuesday, Thursday, 9 a. m., Room 26. (10).

Carmichael.	McClain.	Pattillo.	Sayre.
Duval.	McKinney.	Pell.	Taliaferro.
Hardy.	Morris.		

Theory of Surfaces and Lines traced on Surfaces: Professor CRAIG. Monday, Tuesday, Thursday, 10 a. m., Room 26. (11).

Crum.	McClain.	Pattillo.	Schmiedel.
Duval.	McKinney.	Pell.	Taliaferro.
Hardy.	Morris.	Sayre.	

Conference on the two preceding Courses: Professor CRAIG. Friday, 9-11 a. m., Room 26. (12).

Carmichael.	Hardy.	Morris.	Sayre.
Crum.	McClain.	Pattillo.	Schmiedel.
Duval.	McKinney.	Pell.	Taliaferro.

Elementary Theory of Functions: Dr. CHESIN. Monday and Tuesday, 11 a. m.; alternate Wednesdays, 10 a. m. to 12 m., Room 26. (26).

Briggs.	Harry.	McKinney.	Rhoads.
Crum.	Humphreys, W. J.	Mendenhall.	Saunders.
Dickerman.	James, G. O.	Mitchell, S. A.	Schmiedel.
Douglas.	Johannott.	Mohler.	Uhler.
Hankins.	Kilpatrick.	Pawling.	Waidner.
Hardy.	Mallory.	Pell.	Whitehead.
Harrison.	Mather.		

Lie's Theory of Transformation Groups: Dr. CHESIN. Monday and Tuesday, 12 m., Room 26. (5).

Carmichael.	McClain.	Pell.	Schmiedel.
Crum.			

Projective Theory of Curves and Surfaces: Dr. HULBERT. Wednesday, Thursday, Friday, 10 a. m. (5).

Hankins.	Kilpatrick.	Mitchell, S. A.	Whitehead.
James, G. O.			

Analytic Geometry: (Minor Course): Dr. HULBERT. Daily, except Friday, 1 p. m. (28).

Armstrong, J. R. C.	Ferguson.	Palmer, E. L.	Tharp.
Bampton.	Fischer.	Pender.	Thomas, J. W.
Beuwkes.	Fitzgerald.	Reid, J. W.	Ver Planck.
Carroll.	Fowler.	Ryland.	Voeke.
Chambers, A. D.	Laeke.	Sherbert.	Wilhelm.
Cox, G. E.	Madison, J. H.	Straus.	Winsey.
Everett.	Naylor.	Swaine.	Young.

Differential Equations: Dr. HULBERT. Monday, 9 a. m., Tuesday, 10 a. m. (25).

Abbott.	Hankins.	Newcomer.	Showalter.
Bartell.	Johannott.	Pawling.	Spencer, C.
Binswanger.	Keidel, F. B.	Phelps.	Stephens, J. C.
Bowman.	Laubman.	Hindell.	Weglein.
Briggs.	Mendenhall.	Rhoads.	Whitehead.
Dickerman.	Mitchell, S. A.	Saunders.	Wilhelm.
Frierson.			

Determinants; Calculus (Special Topics): Dr. COHEN. Daily, except Monday, 9 a. m., Room 27. (25).

Abbott.	Gorsuch.	Merrill.	Showalter.
Adams, H. H.	Harrison.	Newcomer.	Spencer, C.
Baetjer.	Hodges, W. L.	Reese, H. M.	Stephens, J. C.
Bartell.	Keidel, F. B.	Rhoads.	Weglein.
Brackett.	Kershner.	Searles.	Whitehead.
Douglas.	Marine.	Sherman.	Wilhelm.
Edmunds.			

Algebra; Solid Geometry: Dr. COHEN. Monday, 9 a. m., Tuesday, 10 a. m., Wednesday, 11 a. m., Thursday, 12 m., Room 7, McCoy Hall. (18).

Ballard.	Dietzenbach.	Jungbluth, K.	Pyle.
Bogue, H.	Fooks.	Jungbluth, M.	Reid, J. W.
Bogue, R. H.	Fosnacht.	Kalb, J. A.	Remsen, C. M.
Chambers, L. M.	Gemmell.	Levering.	Robinson, G. C.
Clunet.	Hirshberg.		

Celestial Mechanics: Dr. CHESIN. Monday, Tuesday, and alternate Wednesdays, 9 a. m., Room 34. (2).

Clutz. James, G. O.

Astronomical Computations: Dr. POOR. Wednesday, 2-5 p. m., Room 34. (4).

Clutz. Dickerman. Pawling. Schmiedel.

Theory and Use of Astronomical Instruments: Dr. POOR. Thursday, 9 a. m., Saturday, 9-11 a. m. (6).

Clutz. Ebaugh. Saunders. Schmiedel.

Theoretical and Practical Astronomy: Dr. POOR. Thursday and Friday, 11 a. m., Room 34. (7).

Crum. Harry. Mitchell, S. A. Wilhelm.

Observatory Work: Dr. POOR. Daily, 8 p. m. (15).

Clutz.	Hankins.	Kilpatrick.	Sayre.
Crum.	Harry.	Mitchell, S. A.	Schmiedel.
Dickerman.	Hoffman.	Pell.	Wilhelm.
Ebaugh.	James, G. O.	Saunders.	

Descriptive Astronomy: (Undergraduate Course): Dr. POOR. Tuesday, 10 a. m., Thursday, 12 m., Room 34. (10).

Collier.	Eldridge.	Macben.	Sumwalt.
Diehl.	Gassman.	Schmeckebier.	West, J. M.
Dorsey, W. R.	Lacy.		

Physics. (130 Students.)

Classes meet in the Physical Laboratory.

Thermodynamics and Heat Conduction: Professor ROWLAND. Daily, except Wednesday, 10 a. m. (20).

Brackett.	Gallaudet.	Mather.	Saunders.
Briggs.	Harrison.	Mendenhall.	Schenck, C. C.
Carmichael.	Humphreys, W. J.	Mohler.	Sherman.
Dorsey, N. E.	Johannott.	Penniman.	Uhler.
Douglas.	Mallory.	Rothermel.	Waidner.

Journal Meeting: Professor ROWLAND and Dr. AMES. Wednesday, 11 a. m. (26).

Abbott.	Gallaudet.	Mather.	Rothermel.
Brackett.	Harrison.	Mendenhall.	Saunders.
Briggs.	Humphreys, W. J.	Mohler.	Schenck, C. C.
Carmichael.	James, G. O.	Penniman.	Sherman.
Day, W. S.	Johannott.	Reid, H. F.	Uhler.
Dorsey, N. E.	Jones, H. C.	Rhoads.	Waidner.
Douglas.	Mallory.		

Physical Seminary: Dr. AMES. Saturday, 9 a. m. (15).

Carmichael.	Gallaudet.	Mather.	Schenck, C. C.
Day, W. S.	Harrison.	Mohler.	Uhlr.
Dorsey, N. E.	Humphreys, W. J.	Penniman.	Waidner.
Douglas.	Mallory.	Reid, H. F.	

Applications of Thermodynamics to Chemical Phenomena: Dr. AMES. Thursday and Friday, 11 a. m. (26).

Abbott.	Gallaudet.	Mendenhall.	Schenck, C. C.
Brackett.	Harrison.	Mohler.	Sherman.
Briggs.	Humphreys, W. J.	Penniman.	Smith, W. A.
Carmichael.	James, G. O.	Rhoads.	Uhlr.
Day, W. S.	Johannott.	Rothermel.	Waidner.
Dorsey, N. E.	Mallory.	Saunders.	Whitehead.
Douglas.	Mather.		

Physics: (Major): Dr. AMES. Daily, except Thursday, 12 m. (35).

Abbott.	Gassman.	Marine.	Sherman.
Bartell.	Gorsuch.	Merrill.	Showalter.
Binswanger.	Hankins.	Mitchell, S. A.	Smith, W. A.
Bowman.	Hodges, W. L.	Newcomer.	Spencer, C.
Caspari.	Keidel, F. B.	Pawling.	Stephens, J. C.
Cox, G. E.	Kershner.	Phelps.	Stoddard.
Deutsch.	Lacy.	Rhoads.	Wallis.
Diehl.	Lanahan.	Ryland.	Whitehead.
Frierson.	Lawson.	Searles.	

Physics: (Minor): Dr. AMES. Daily, except Tuesday, 10 a. m. (50).

Abbott.	Cook, H. W.	Luchs.	Renouf, V. A.
Adams, H. H.	Dohme.	Madison, J. H.	Scholl.
Adams, T. S.	Duffy.	Myers.	Showalter.
Armstrong, J. R. C.	Edmunds.	Naylor.	Smith, V. E.
Baetjer.	Everett.	Newcomer.	Swaine.
Ballard.	Francis.	Nyce.	Tharp.
Bampton.	Greenbaum.	Palmer, E. L.	Thomas, J. W.
Barr, H. E.	Hancock.	Palmer, J. H.	Voeke.
Beeuwkes.	Harwood, S. P.	Pawling.	Warren, G. W.
Bowman.	Hodges, C. S.	Peters.	Wilhelm.
Browne, B. B.	Howard, A. C.	Pyle.	Winsey.
Chambliss.	Jones, R. H.	Reid, J. W.	Woodbridge.
Cook, C. G.	Lehr.		

Applied Electricity: (Second Year): Dr. DUNCAN. Monday and Tuesday, 9 a. m., Room 24. (15).

Atkins.	Frazer, H. M.	Hodges, G. H.	Reeder.
Corbin.	Gordon, J. H.	Maynard.	Schwab.
Cox, G. E.	Harriman.	McCaskell.	Waring.
Deutsch.	Hill.	Powell.	

Applied Electricity: (First Year): Dr. DUNCAN. Thursday and Friday, 9 a. m., Room 24. (7).

Bowman.	Deutsch.	Pindell.	Waring.
Corbin.	Phelps.	Schwab.	

Electrical Measurements: Mr. HERING. Monday and Wednesday, 10 a. m., Room 34. (5).

Atkins.	Merrill.	Phelps.	Pindell.
Bowman.			

Steam Engineering: Mr. GEER. Monday, Tuesday, Wednesday, 11 a. m., Room 27. (13).

Corbin.	Harriman.	Maynard.	Reeder.
Deutsch.	Hill.	McCaskell.	Schwab.
Frazer, H. M.	Hodges, G. H.	Powell.	Waring.
Gordon, J. H.			

Mechanics of Engineering: Mr. GEER. Thursday and Friday, 11 a. m., Room 27. (9).

Bowman.	Merrill.	Pindell.	Schwab.
Deutsch.	Phelps.	Reeder.	Thomas, J. W.
Keidel, F. B.			

Laboratory Work: Professor ROWLAND. Dr. DUNCAN, Dr. AMES, Mr. HERING, Mr. GEER, Dr. BLISS. Daily, 9 a. m. to 5 p. m. (114).

Abbott.	Duffy.	Lawson.	Reid, J. W.
Adams, H. H.	Edmunds.	Lehr.	Renouf, V. A.
Adams, T. S.	Everett.	Luchs.	Rhoads.
Allen.	Francis.	Madison, J. H.	Rothermel.
Atkins.	Frazer, H. M.	Mallory.	Ryland.
Baetjer.	Frierson.	Marine.	Saunders.
Ballard.	Gallaudet.	Mather.	Schenck, C. C.
Bampton.	Gassman.	Maynard.	Scholl.
Barr, H. E.	Gordon, J. H.	McCaskell.	Schwab.
Bartell.	Gorsuch.	Mendenhall.	Searles.
Beeuwkes.	Greenbaum.	Merrill.	Sherman.
Binswanger.	Hancock.	Mitchell, S. A.	Showalter.
Bowman.	Hankins.	Mohler.	Smith, V. E.
Brackett.	Harriman.	Myers.	Spencer, C.
Briggs.	Harrison.	Naylor.	Stephens, J. C.
Browne, B. B.	Harwood, S. P.	Newcomer.	Swaine.
Brülle.	Hill.	Nyce.	Tharp.
Carmichael.	Hodges, C. S.	Palmer, E. L.	Thomas, J. W.
Caspari.	Hodges, G. H.	Palmer, J. H.	Uhlr.
Chambliss.	Hodges, W. L.	Pawling.	Voeke.
Cook, C. G.	Howard, A. C.	Penniman.	Waidner.
Cook, H. W.	Humphreys, W. J.	Peters.	Wallis.
Corbin.	James, G. O.	Phelps.	Waring.
Day, W. S.	Johannott.	Pindell.	Warren, G. W.
Deutsch.	Jones, R. H.	Powell.	Whitehead.
Diehl.	Keidel, F. B.	Pyle.	Wiegand.
Dohme.	Kershner.	Reeder.	Winsey.
Dorsey, N. E.	Lacy.	Reid, H. F.	Woodbridge.
Douglas.	Lanahan.		

Laboratory Work for Medical Students: Mr. UHLER. Saturdays, 10 a. m. to 1 p. m. (11).

Brownell, E. E.	Hoye.	Little.	Verhoeff.
Davis, J. S.	Johnson, K. M.	Owsley.	Wolcott, C. A.
Follis.	Ladd.	Stone.	

Chemistry. (120 Students).

Classes meet in the Chemical Laboratory, unless otherwise stated.

Chemistry of the Compounds of Carbon: (For Graduate Students): Professor REMSEN. Monday and Tuesday, 9 a. m. (32).

Adair.	Crane.	Linthicum.	Smith, E. S.
Alleman.	Frierson.	Mackay.	Smith, W. A.
Allen.	Henderson.	Magruder.	Sohn.
Allman.	Hollis.	McKenzie.	Stoddard.
Arbuckle.	Jones, W. A.	Norris.	Stover.
Chambers, A. D.	Kilgore.	Ragland.	Van Cleave.
Chambliss.	King.	Reid, E. E.	Waters.
Cook, C. G.	Lawson.	Ryland.	Winter.

Journal Meeting: Professor REMSEN. Saturday, 9-10.30 a. m. (30). The Instructors in Chemistry, the Fellows by Courtesy, and the following students:

Adair.	Crane.	Linthicum.	Smith, E. S.
Alleman.	Frierson.	Mackay.	Sohn.
Allen.	Henderson.	Magruder.	Stoddard.
Allman.	Hollis.	McKenzie.	Stover.
Arbuckle.	Jones, W. A.	Norris.	Van Cleave.
Chambers, A. D.	Kilgore.	Ragland.	Waters.
Chambliss.	King.	Reid, E. E.	Winter.
Cook, C. G.	Lawson.		

Analytical Chemistry: Professor MORSE. Friday, 9 a. m. (22.)

Adair.	Cook, C. G.	Lawson.	Reid, E. E.
Alleman.	Crane.	Linthicum.	Sohn.
Allman.	Hollis.	Mackay.	Stoddard.
Arbuckle.	Jones, W. A.	Magruder.	Van Cleave.
Chambers, A. D.	Kilgore.	Ragland.	Waters.
Chambliss.	King.		

Physical Chemistry: Dr. RANDALL. Wednesday and Thursday, 9 a. m. (11).

Adair.	Lawson.	Reid, E. E.	Waidner.
Crane.	Mallory.	Stoddard.	Waters.
King.	Norris.	Van Cleave.	

Special Course in Physical Chemistry: Dr. JONES. Wednesday and Thursday, 12 m. (14).

Allen.	Henderson.	Magruder.	Mendenhall.
Briggs.	Hollis.	Mather.	Mohler.
Chambers, A. D.	Humphreys, W. J.	McKenzie.	Rothermel.
Crane.	Mackay.		

Inorganic Chemistry: (Major Course): Professor RENOUF, until Christmas; Dr. RANDALL, after Christmas. Daily, except Monday, 9 a. m. (23).

Adams, E. M.	Caspari.	Nelson.	Underhill.
Armstrong, J. R. C.	Hancock.	Nyce.	Warfield, L. M.
Belknap.	Kaufman.	Sinter.	West, J. M.
Brülle.	Lanahan.	Slemmons.	Wilson, H. M.
Burnam.	Lehr.	Steinfeld.	Winne.
Carroll.	Longcope.	Stephens, J. C.	

General Chemistry: (Minor Course): Professor REMSEN, Dr. RANDALL, Dr. GILPIN. Daily, except Monday, 9 a. m., Hopkins Hall. (72).

Ballard.	Everett.	Leary.	Seth.
Bampton.	Ferguson.	Lucke.	Sioussat.
Barr, H. E.	Fischer.	Lyons, C. E.	Strans.
Beckwith.	Fitzgerald.	McComas.	Swaine.
Beeuwkes.	Fowler.	Myers.	Tharp.
Bestor.	Francis.	Palmer, E. L.	Thomas, J. W.
Blake.	Gassman.	Pender.	Thomson, J. M.
Browne, B. B.	Greenbaum.	Peters.	Tripp.
Cook, H. W.	Hammond.	Radcliffe.	Warfield, F. H.
Cox, G. E.	Harden.	Renouf, V. A.	Williams, T. D.
Diehl.	Harwood, L.	Rosenbaum.	Winsey.
Dohme.	Harwood, S. P.	Schmeckebier.	Woodbridge.
Dorsey, W. R.	Howard, A. C.	Scholl.	Young.
Duffy.	Lacy.	Schulz.	

In addition, the following graduate students attend the lectures of the Minor Course:

Alleman.	Hollis.	Mackay.	Ryland.
Allen.	Jones, W. A.	Magruder.	Smith, E. S.
Allman.	Kilgore.	McKenzie.	Smith, W. A.
Arbuckle.	Linthicum.	Ragland.	Sohn.
Chambliss.			

Laboratory Work: Professor REMSEN, Professor MORSE, Professor RENOUF, Dr. RANDALL, Dr. GILPIN, Dr. JONES. Daily, 9 a. m. to 5 p. m. (115).

Adair.	Dohme.	Lehr.	Sioussat.
Adams, E. M.	Dorsey, W. R.	Linthicum.	Slemons.
Alleman.	Duffy.	Longcope.	Smith, E. S.
Alieu.	Everett.	Lucke.	Smith, W. A.
Allman.	Ferguson.	Lyon, C. E.	Sohon.
Arbuckle.	Fischer.	Mackay.	Steinfeld.
Armstrong, J. R. C.	Fitzgerald.	Madison, J. H.	Stephens, J. C.
Ballard.	Fowler.	Magruder.	Stoddard.
Bampton.	Francis.	McComas.	Stover.
Barr, H. E.	Friersou.	McKenzie.	Straus.
Beckwith.	Gassman.	Myers.	Swaine.
Beuwkes.	Greenbaum.	Nelsou.	Tharp.
Belknap.	Hammond.	Norris.	Thomas, J. W.
Bestor.	Hancock.	Nyce.	Thomson, J. M.
Blake.	Hardeu.	Palmer, E. L.	Tripp.
Briggs.	Harwood, L.	Pender.	Underhill.
Bromwell.	Harwood, S. P.	Peters.	Van Cleve.
Browne, B. B.	Henderson.	Radcliffe.	Warfield, F. H.
Brülle.	Hollis.	Ragland.	Warfield, L. M.
Burnam.	Howard, A. C.	Reid, E. E.	Waters.
Carroll.	Jones, V. A.	Renouf, V. A.	West, J. M.
Caspari.	Jones, W.	Rosebaum.	Williams, T. D.
Chambers, A. D.	Kaufman.	Rusk.	Wilson, H. M.
Chambliss.	Kilgore.	Ryland.	Wine.
Cook, C. G.	King.	Schmeckebier.	Winsey.
Cook, H. W.	Lacy.	Scholl.	Wuiter.
Cox, G. E.	Lanahan.	Schulz.	Wooldridge.
Crane.	Lawson.	Seth.	Young.
Diehl.	Leary.	Shuter.	

Geology. (37 Students).

Classes meet in the Geological Laboratory.

General Geology: Professor CLARK, Dr. MATHEWS, and Dr. BAGG. Daily, except Friday, 12 m.; laboratory work, one afternoon; excursions, Saturdays. (30).

Abbe.	Crane.	Mitchell, J. A.	Smith, G. O.
Adair.	Edmunds.	O'Harra.	Spencer, A. C.
Allman.	Hendrickson.	Roberts.	Underhill.
Beatty.	Jenkins.	Schantz.	Vocke.
Bowlus.	Jones, W. A.	Shattuck.	Walker.
Chambliss.	Kalb, C. W.	Shuter.	Waters.
Clements.	Knipp.	Slemons.	Winter.
Cook, C. G.	Linthicum.		

Historical Geology: Professor CLARK. Monday, Tuesday, Wednesday, 9 a. m., beginning November 15. (11).

Abbe.	O'Harra.	Schantz.	Spencer, A. C.
Bibbins.	Reese, A. M.	Shattuck.	Walker.
Mitchell, J. A.	Roberts.	Smith, G. O.	

Paleontology: (Laboratory Work): Professor CLARK and Dr. BAGG. Daily, 9 a. m. to 5 p. m. (9).

Abbe.	O'Harra.	Shattuck.	Spencer, A. C.
Bibbins.	Reese, A. M.	Smith, G. O.	Walker.
Clements.			

Physiographic Geology: Mr. G. K. GILBERT. Daily, except Friday, 12 m., after January 14. (30).

Abbe.	Crane.	Mitchell, J. A.	Smith, G. O.
Adair.	Edmunds.	O'Harra.	Spencer, A. C.
Allman.	Hendrickson.	Roberts.	Underhill.
Beatty.	Jenkins.	Schantz.	Vocke.
Bowlus.	Jones, W. A.	Shattuck.	Walker.
Chambliss.	Kalb, C. W.	Shuter.	Waters.
Clements.	Knipp.	Slemons.	Winter.
Cook, C. G.	Linthicum.		

Mineralogy: Dr. MATHEWS. Daily, except Friday, 11 a. m.; laboratory work, 2-5 p. m. (18).

Abbe.	Chambliss.	O'Harra.	Stoddard.
Adair.	Crane.	Ragland.	Walker.
Alleman.	Jones, W. A.	Shattuck.	Waters.
Allman.	Kilgore.	Sohon.	Winter.
Bibbins.	Linthicum.		

Petrography: (Laboratory Work): Dr. MATHEWS. Daily, 9 a. m. to 5 p. m. (7).

Abbe.	O'Harra.	Smith, G. O.	Walker.
Bibbins.	Shattuck.	Spencer, A. C.	

Journal Meeting: Professor CLARK. Saturday, 9 a. m. (10).

Abbe.	O'Harra.	Shattuck.	Spencer, A. C.
Bibbins.	Roberts.	Smith, G. O.	Walker.
Mitchell, J. A.	Schantz.		

Biology. (53 Students).

Classes meet in the Biological Laboratory.

Zoology: (Advanced Course): Professor BROOKS. Daily. (17).

Berger.	Drew.	Lefevre.	Sigerfoos.
Britcher.	Grave.	Reese, A. M.	Sudler.
Clark, H. L.	Knower.	Richardson.	Wilson, C. B.
Clements.	Lamb.	Shoemaker.	Winter.
Conant.			

Zoology: (Major Course): Professor BROOKS. Daily, except Monday, 9 a. m.; Monday and Tuesday, 2-5 p. m. (15).

Beatty.	Clements.	Lamb.	Warren, G. W.
Berger.	Drew.	Reese, A. M.	Wilson, C. B.
Bowlus.	Grave.	Shoemaker.	Winter.
Britcher.	Johnson, F. H.	Sudler.	

Zoological Journal Club: Professor BROOKS, Dr. ANDREWS, Dr. HUMPHREY. Monday, 12 m. (18).

Barton.	Drew.	Lefevre.	Shoemaker.
Berger.	Grave.	Metcalf.	Sigerfoos.
Britcher.	Johnson, D. S.	Reese, A. M.	Sudler.
Clark, H. L.	Knower.	Richardson.	Wilson, C. B.
Conant.	Lamb.		

Physiological Journal Club: Professor HOWELL. Monday, 10 a. m. (9).

Britcher.	Dreyer.	Kemp.	Sudler.
Clark, H. L.	Hunt.	Richardson.	Wilson, C. B.
Conant.			

Physiological Seminary: Professor HOWELL. Monday, 9 a. m. (12).

Britcher.	Drew.	Kemp.	Richardson.
Clark, H. L.	Dreyer.	Knower.	Sudler.
Conant.	Hunt.	Lamb.	Wilson, C. B.

Animal Physiology: Professor HOWELL. Wednesday, Thursday, Friday, 12 m. Second year medical students and the following graduate students of the university:

Boyer.	Conant.	Richardson.	Sudler.
Clark, H. L.	Grave.	Shoemaker.	Wilson, C. B.

Histology and Physiology: Dr. DREYER. Daily, except Monday, 9 a. m., after January 1. (10).

Beatty.	Clements.	Reese, A. M.	Warren, G. W.
Berger.	Grave.	Shoemaker.	Winter.
Bowlus.	Johnson, F. H.		

General Biology: Dr. ANDREWS. Thursday and Friday, 10 a. m., and 2-5 p. m. (29).

Adams, E. M.	Collier.	O'Harra.	Sullivan.
Arbuckle.	Eldridge.	Parker.	Sumwalt.
Belknap.	Graham.	Sheridan.	Torsch.
Brülle.	Hendrickson.	Shuter.	Walker.
Burnam.	Killmon.	Smith, E. S.	West, J. M.
Burt.	McCurdy.	Stevens, A. R.	Wilson, C. B.
Cassidy.	Norris.	Stidman.	Wilson, H. M.
Clements.			Winter.

Osteology: Dr. ANDREWS. Monday and Wednesday, 10 a. m. (28).

Adams, E. M.	Clements.	Norris.	Sumwalt.
Arbuckle.	Collier.	O'Harra.	Torsch.
Belknap.	Eldridge.	Parker.	Walker.
Brülle.	Graham.	Shuter.	West, J. M.
Burnam.	Hendrickson.	Smith, E. S.	Wilson, C. B.
Burt.	Killmon.	Stevens, A. R.	Wilson, H. M.
Cassidy.	McCurdy.	Stidman.	Winter.

Zoology: (Undergraduate Elective): Dr. ANDREWS. Monday and Wednesday, 10 a. m. (1).

Dorsey, W. R.

Comparative Morphology of Plants: Dr. HUMPHREY. Monday, 11 a. m., Tuesday, 12 m. (9).

Berger.	Lamb.	Richardson.	Sudler.
Grave.	Reese, A. M.	Shoemaker.	Wilson, C. B.
Johnson, D. S.			

Laboratory Work: Professor BROOKS, Professor HOWELL, Dr. ANDREWS, Dr. DREYER, Dr. HUMPHREY, Mr. Sigerfoos. Daily, 9 a. m. to 5 p. m. (53).

Adams, E. M.	Collier.	Knower.	Smith, E. S.
Arbuckle.	Conant.	Lamb.	Stevens, A. R.
Beatty.	Dorsey, W. R.	Lefevre.	Stidman.
Belknap.	Drew.	McCurdy.	Sudler.
Bowlus.	Eldridge.	Metcalf.	Sullivan.
Berger.	Graham.	Norris.	Sumwalt.
Britcher.	Grave.	O'Harra.	Torsch.
Brülle.	Hendrickson.	Parker.	Walker.
Burnam.	Hunt.	Reese, A. M.	Warren, G. W.
Burt.	Johnson, D. S.	Richardson.	West, J. M.
Cassidy.	Johnson, F. H.	Sheridan.	Wilson, C. B.
Clements.	Killmon.	Shoemaker.	Wilson, H. M.
	Clark, H. L.	Shuter.	Winter.
	Kemp.		

Greek. (55 Students).

Classes meet in McCoy Hall.

Greek Seminary: Professor GILDERSLEEVE. Monday and Wednesday, 10 a. m., Room 14. (31).

Basore.	Fogel, E. M.	Kingsbury.	Savage.
Brown, G. D.	Gill.	Laing.	Scott, J. A.
Caldwell.	Green, E. L.	Land.	Sparks, C. B.
Childs.	Haggett.	Montgomery.	Staley.
Dales.	Hoeg.	Ness.	Stuphen.
Daniel.	Hughes.	Penick.	Thomas, T. T.
Eckels.	Jewell.	Peppier.	White.
Findley.	Jones, T. M.	Saffold.	

Greek Syntax: Professor GILDERSLEEVE. Thursday, 10 a. m., Room 14. (32).

Basore.	Fogel, E. M.	Kingsbury.	Saffold.
Brown, G. D.	Gill.	Laing.	Savage.
Caldwell.	Green, E. L.	Land.	Scott, J. A.
Childs.	Haggett.	Montgomery.	Sparks, C. B.
Dales.	Hoeg.	Ness.	Staley.
Daniel.	Hughes.	Newhall.	Stuphen.
Eckels.	Jewell.	Penick.	Thomas, T. T.
Findley.	Jones, T. M.	Peppier.	White.

Practical Exercises: Professor GILDERSLEEVE. Tuesday and Friday, 10 a. m., Room 14. (29).

Basore.	Gill.	Laing.	Savage.
Brown, G. D.	Green, E. L.	Land.	Scott, J. A.
Caldwell.	Haggett.	Montgomery.	Sparks, C. B.
Childs.	Hughes.	Ness.	Staley.
Dales.	Jewell.	Penick.	Sutphen.
Eckels.	Jones, T. M.	Pepler.	Thomas, T. T.
Findley.	Kingsbury.	Saffold.	White.
Fogle, E. M.			

Thucydides, book VII: Dr. SPIEKER. Thursday, 12 m., Room 10. (15).

Basore.	Eckels.	Jones, T. M.	Ness.
Caldwell.	Fogle, A. W.	Kingsbury.	Savage.
Cannaday.	Goodwin.	Land.	Sparks, C. B.
Childs.	Huey.	Montgomery.	

Sophocles, Antigone: Dr. SPIEKER. Monday, Tuesday, and Wednesday, 12 m., Room 10. (11).

Cannaday.	Gardner.	Schulz.	Welbourn.
Childs.	Goodwin.	Schunck.	Williams, T. D.
Fogle, A. W.	Huey.	Spragins.	

Isocrates, Panegyricus: Dr. SPIEKER. Tuesday, Wednesday, and Thursday, 1 p. m., Room 10. (7).

Hodges, C. S.	Miller, R. D.	Smith, F. W.	Smith, V. E.
Jones, R. H.	Pyle.	Smith, R. M.	

Homer and Prose Composition: Mr. WILSON. Monday, 10 a. m., Thursday and Friday, 1 p. m., Room 8. (7).

Bogue, H.	Chambers, L. M.	Rensen, C. M.	Venable.
Bogue, R. H.	Fooks.	Staum.	

Prose Composition: Dr. SPIEKER.

Major Course: Friday, 12 m., Room 10. (17).			
Basore.	Gardner.	Kingsbury.	Schunck.
Brown, G. D.	Goodwin.	Land.	Sparks, C. B.
Caldwell.	Huey.	Savage.	Spragins.
Childs.	Jones, T. M.	Schulz.	Williams, T. D.
Fogle, A. W.			

Minor Course: Monday, 1 p. m., Room 10. (7).			
Hodges, C. S.	Miller, R. D.	Smith, F. W.	Smith, V. E.
Jones, R. H.	Pyle.	Smith, R. M.	

Greek Palaeography: Dr. MILLER. (To be organized in January).

Modern Greek: Mr. XENIDES. Tuesday and Friday, 9 a. m., Room 14. (5).

Eckels.	Haggett.	Pepler.	Scott, J. A.
Green, E. L.			

Latin. (79 Students).

Classes meet in McCoy Hall.

Latin Seminary: Professor WARREN. Tuesday and Friday, 11 a. m., Room 15. (29).

Basore.	Fogle, A. W.	Johnson, W. H.	Penick.
Brown, G. D.	Gill.	Jones, T. M.	Saffold.
Cannaday.	Green, E. L.	Kingsbury.	Savage.
Childs.	Hoeing.	Laing.	Simonds.
Daniel.	Howard, J. H.	Long.	Sutphen.
Eckels.	Huey.	Montgomery.	White.
Findley.	Jewell.	Newhall.	Wilson, H. L.
Fogle, E. M.			

Historical Latin Grammar: (Lectures): Professor WARREN. Thursday, 11 a. m., Room 15. (31).

Basore.	Fogle, A. W.	Johnson, W. H.	Saffold.
Brown, G. D.	Gill.	Jones, T. M.	Savage.
Cannaday.	Green, E. L.	Kingsbury.	Simonds.
Childs.	Hoeing.	Laing.	Staley.
Daniel.	Howard, J. H.	Long.	Sutphen.
Eckels.	Huey.	Montgomery.	White.
Findley.	Hughes.	Ness.	Wilson, H. L.
Fogle, E. M.	Jewell.	Penick.	

Roman Historiography: (Lectures): Professor WARREN. Monday, 11 a. m., Room 15. (30).

Basore.	Fogle, A. W.	Johnson, W. H.	Penick.
Brown, G. D.	Gill.	Jones, T. M.	Saffold.
Cannaday.	Green, E. L.	Kingsbury.	Savage.
Childs.	Haggett.	Laing.	Simonds.
Daniel.	Hoeing.	Long.	Sutphen.
Eckels.	Howard, J. H.	Montgomery.	White.
Findley.	Huey.	Newhall.	Wilson, H. L.
Fogle, E. M.	Jewell.		

Journal Club: Professor WARREN. Alternate Thursdays, 12 m., Room 15. (21).

Cannaday.	Hoeing.	Jones, T. M.	Saffold.
Childs.	Howard, J. H.	Kingsbury.	Simonds.
Daniel.	Huey.	Laing.	Sutphen.
Findley.	Jewell.	Long.	White.
Fogle, E. M.	Johnson, W. H.	Montgomery.	Wilson, H. L.
Gill.			

Elegy and Epigram: (Lectures): Dr. SMITH. Wednesday, 11 a. m., Room 15. (27).

Basore.	Fogle, E. M.	Jewell.	Penick.
Brown, G. D.	Fogle, A. W.	Johnson, W. H.	Saffold.
Cannaday.	Gill.	Jones, T. M.	Savage.
Childs.	Green, E. L.	Kingsbury.	Sutphen.
Daniel.	Hoeing.	Laing.	White.
Eckels.	Howard, J. H.	Long.	Wilson, H. L.
Findley.	Huey.	Montgomery.	

Pro-Seminary: Dr. SMITH. Monday, 9 a. m., Room 15. (8).

Basore.	Cannaday.	Fogle, A. W.	Kingsbury.
Brown, G. D.	Childs.	Jones, T. M.	Savage.

Juvenal: Dr. SMITH. Wednesday, Thursday, and Friday, 10 a. m., Room 10. (9).

Fogle, A. W.	Machen.	Schunck.	Ver Planck.
Gardner.	Schulz.	Spragins.	Williams, T. D.
Knipp.			

Virgil, book I: Dr. SMITH. Wednesday, Thursday, and Friday, 9 a. m., Room 12. (26).

Brent.	Kennard.	Robinson, E. A.	Stanley.
Gordon, A.	McCurdy.	Sherbert.	Staum.
Gnegenheimer, C. M.	McIntosh.	Skutch.	Stewart.
Hodges, C. S.	Miller, F. O.	Smith, F. W.	Stidman.
Hubner.	Miller, R. D.	Smith, R. M.	Uman.
Jones, A. D.	Palmer, J. H.	Smith, V. E.	Venable.
Jones, R. H.	Pyle.		

Cicero and Prose Composition: Mr. WILSON. Wednesday, Thursday, and Friday, 10 a. m., Room 8. (13).

Bestor.	Gemmell.	Jungbluth, K.	Levering.
Chambers, L. M.	Hammond.	Jungbluth, M.	Rensen, C. M.
Fooks.	Hirshberg.	Kalb, J. A.	Robinson, G. C.
Fosnocht.			

Prose Composition:

Major Course: Dr. SMITH. Monday, 10 a. m., Room 10. (8).

Fogle, A. W.	Machen.	Schunck.	Ver Planck.
Knipp.	Schulz.	Spragins.	Williams, T. D.

Minor Course: Mr. WILSON. Tuesday, 9 a. m., Room 12. (26).

Brent.	Kennard.	Robinson, E. A.	Stanley.
Gordon, A.	McCurdy.	Sherbert.	Staum.
Gnegenheimer, C. M.	McIntosh.	Skutch.	Stewart.
Hodges, C. S.	Miller, F. O.	Smith, F. W.	Stidman.
Hubner.	Miller, R. D.	Smith, R. M.	Uman.
Jones, A. D.	Palmer, J. H.	Smith, V. E.	Venable.
Jones, R. H.	Pyle.		

Sanskrit and Comparative Philology. (46 Students).

Classes meet in Room 19, McCoy Hall.

Vedic Seminary: (The Rig-Veda): Professor BLOOMFIELD. Thursday, 4-5.30 p. m. (6).

Bolling.	Ness.	Staley.	Wilson, H. L.
Dales.	Newhall.		

Advanced Sanskrit: (Hitopadeya and Manu): Professor BLOOMFIELD. Tuesday and Friday, 4 p. m. (7).

Findley.	Ness.	Penick.	Sutphen.
Green, E. L.	Newhall.	Saffold.	

Elementary Sanskrit: (Grammar and Interpretation of the Nala): Professor BLOOMFIELD. Tuesday and Friday, 12 m. (6).

Cannaday.	Howard, J. H.	Jewell.	Kingsbury.
Gjerset.	Hughes.		

Comparative Philology: Professor BLOOMFIELD. Monday, 4 p. m. (28).

Adams, C. A.	Ewing.	Kennedy.	Sikes.
Blake.	Gantz.	Kingsbury.	Stoussat.
Callahan.	Gjerset.	Leary.	Smith, E. A.
Cannaday.	Green, E. L.	Lee.	Sumwalt.
Childs.	Howard, J. H.	Machen.	Staley.
Clark, C. C.	Hughes.	McComas.	Warfield, F. H.
Eckels.	Huguenin.	Schmidt.	Welbourn.

Comparative Grammar of Greek, Latin, German, and Sanskrit: Professor BLOOMFIELD. Wednesday, 4 p. m. (17).

Brown, G. D.	Hoeing.	Kingsbury.	Pepler.
Eckels.	Howard, J. H.	Long.	Scott, J. A.
Gill.	Hughes.	Ness.	Staley.
Green, E. L.	Jewell.	Penick.	White.
Haggett.			

Oriental Seminary. (17 Students).

Classes meet in the Dillmann Library, McCoy Hall, Room 18, except as otherwise stated.

Elementary Hebrew: (Gesenius-Mitchell's Hebrew Grammar; Genesis, ed. Bner-Delitzsch): Professor HAUPT. Wednesday, 3-5 p. m. (8).

Bruneau.	Fogle, E. M.	Hirshberg.	Sumwalt.
Caldwell.	Gantz.	Sparks, C. B.	Welbourn.

Hebrew: (Advanced Course: Critical Interpretation of Selected Psalms): Professor HAUPT. Monday, 3 p. m. (11).

Bruneau.	Goodwin.	Levy, C. H.	Sparks, C. B.
Caldwell.	Gutmacher.	Rosenau.	Tracy.
Penlon.	Land.	Schanfarber.	

Hebrew Prose Composition: (Translation from English into Hebrew): Professor HAUPT. Monday, 5 p. m. (5).

Bruneau.	Goodwin.	Land.	Sparks, C. B.
Penlon.			

Hebrew Exercises: (Historical Books): Dr. JOHNSTON. Friday, 11 a. m. (5).

Bruneau.	Goodwin.	Land.	Sparks, C. B.
Penlon.			

Post-Biblical Hebrew: (Aboda Zara, ed. Strack): Mr. ROSENAU. Monday, 2 p. m. (1).

Bruneau.			
----------	--	--	--

Biblical Aramaic: (*Interpretation of the Books of Daniel and Ezra*): Professor HAUPT. Monday, 4 p. m. (11).

Bruneau.	Goodwin.	Levy, C. H.	Sparks, C. B.
Caldwell.	Guttmacher.	Rosenau.	Tracy.
Fenlon.	Land.	Schanfarber.	

Syriac: (*Reading of the Syriac Version of the New Testament*): Professor HAUPT. Tuesday, 3 p. m. (9).

Bruneau.	Guttmacher.	Levy, C. H.	Schanfarber.
Fenlon.	Land.	Rosenau.	Sparks, C. B.
Goodwin.			

Ethiopic: (*Dillmann's Chrestomathy*): Professor HAUPT. Tuesday, 2 p. m. (9).

Bruneau.	Guttmacher.	Levy, C. H.	Schanfarber.
Fenlon.	Land.	Rosenau.	Sparks, C. B.
Goodwin.			

Elementary Arabic: (*Sociu's Grammar*): Dr. JOHNSTON. Friday, 3-5 p. m. (5).

Bruneau.	Goodwin.	Land.	Sparks, C. B.
Fenlon.			

Arabic Exercises: (*Sight Reading*): Dr. JOHNSTON. Wednesday, 11 a. m. (3).

Fenlon.	Land.	Levy, C. H.
---------	-------	-------------

Arabic: (*Advanced Course: Interpretation of Selected Suras of the Coran*): Professor HAUPT. Tuesday, 4 p. m. (9).

Bruneau.	Guttmacher.	Levy, C. H.	Schanfarber.
Fenlon.	Land.	Rosenau.	Sparks, C. B.
Goodwin.			

Arabic Prose Composition: (*Translation from English into Arabic*): Professor HAUPT. Monday, 5:30 p. m. (9).

Bruneau.	Guttmacher.	Levy, C. H.	Schanfarber.
Fenlon.	Land.	Rosenau.	Sparks, C. B.
Goodwin.			

Elementary Assyrian: (*Haupt's Texts, Part I*): Dr. JOHNSTON. Wednesday, 9-11 a. m. (3).

Fenlon.	Goodwin.	Land.
---------	----------	-------

Assyrian: (*Second Year's Course: Meissner's Chrestomathy*): Dr. JOHNSTON. Wednesday, 12 m. (4).

Fenlon.	Land.	Levy, C. H.	Sparks, C. B.
---------	-------	-------------	---------------

Assyrian Seminary: (*Haupt's Nimrod Epic and Babylonian Hymns and Psalms*): Professor HAUPT. Tuesday, 7:30-9:30 p. m., 2311 Linden Av. (10).

Bruneau.	Guttmacher.	Rosenau.	Sparks, C. B.
Fenlon.	Land.	Schanfarber.	Tracy.
Goodwin.	Levy, C. H.		

History of the Ancient East: (*Lectures*): Dr. JOHNSTON. Friday, 5 p. m. (6).

Caldwell.	Fenlon.	Land.	Sparks, C. B.
Callahan.	Goodwin.		

German. (162 Students).

Classes meet in McCoy Hall.

(Advanced Courses.)

German Seminary: *Goethe and Schiller (1786-1805)*: Professor WOOD. Tuesday, Wednesday, Friday, 9 a. m., Room 2. (14).

Ahrens.	Crittenden.	Griffith.	Schmidt.
Barr, M. L.	Edgar.	Howard, J. H.	Wollaege.
Becker.	Furst.	Prettyman.	Woods, C. F., Jr.
Campbell.	Griffin, N. E.		

Germanic Society: Professor WOOD. Fortnightly (alternate Thursdays and Fridays), 8 p. m., Room 4. (15).

Becker.	Griffin, N. E.	McBryde, J. M.	Schmidt.
Campbell.	Griffith.	Ness.	Wollaege.
Furst.	Howard, J. H.	Nitze.	Woods, C. F., Jr.
Gjerret.	Krapp.	Prettyman.	

Gothic: Professor WOOD. Monday and Friday, 10 a. m., Room 2. (11).

Ahrens.	Edgar.	Howard, J. H.	Prettyman.
Butler.	Farr.	Huguenin.	Wollaege.
Crittenden.	Glen.		

Old Norse: The Edda: Professor WOOD. Thursday, 9 a. m. (3).

Ness.	Nitze.	Schmidt.
-------	--------	----------

The Swabian and Austrian Poets: Professor WOOD. Tuesday, 10 a. m. (8).

Edgar.	Griffith.	Nitze.	Renouf, V. A.
Furst.	Kurrelmeyer.	Prettyman.	Schmidt.

Middle High German: Dr. VOS. Monday and Thursday, 9 a. m., Room 6. (9).

Crittenden.	Glen.	Howard, J. H.	Prettyman.
Furst.	Griffin, N. E.	Huguenin.	Wollaege.
Gjerret.			

Early New High German Prose: Dr. VOS. Thursday, 10 a. m., Room 11. (2).

Prettyman.	Schmidt.
------------	----------

(Major Course.)

Scherer. History of German Literature: Dr. VOS. Monday. **Lessing, Nathan der Weise:** Dr. VOS. Wednesday and Friday. **Prose Composition:** Professor WOOD and Dr. FAUST. Thursday, 10 a. m., Room 6. (7).

Fischer.	Longcope.	Pender.	Young.
Johnson, W. H.	Lyon, C. E.	Winne.	

(Minor Course A.)

Prose Composition: Professor WOOD. Monday. **Prose Readings:** Dr. VOS. Tuesday. **Classics:** Dr. VOS. Thursday and Friday, 11 a. m., Room 11. (31.)

Ballard.	Duffy.	Kalb, C. W.	Robinson, E. A.
Bampton.	Farr.	Kalb, J. A.	Rusk.
Beckwith.	Fitzgerald.	Kennard.	Seth.
Beckwies.	Fosnacht.	Kulpp.	Straus.
Brown, B. B.	Guggenheimer, C. M.	Levering.	Thomas, J. H.
Chuet.	Hammond.	Miller, F. O.	West, J. M.
Cook, H. W.	Hirschberg.	Radcliffe.	Winsey.
Diefenbach.	Hubner.	Renouf, V. A.	

(Minor Course B.)

Olis, Elementary German; von Moser, Der Bibliothekar: Dr. FAUST. Daily, except Wednesday, 11 a. m., Room 8. (30.)

Armstrong, J. R. C.	Fowler.	Hodges, C. S.	Smith, R. M.
Barr, H. E.	Francis.	Kershner.	Spencer, C.
Belknap.	Gantz.	McIntosh.	Spragins.
Bogue, H.	Gardner.	Naylor.	Stanley.
Bogue, R. H.	Gorsuch.	Searles.	Staum.
Brent.	Greenbaum.	Showalter.	Stewart.
Burnam.	Harwood, L.	Smith, F. W.	Wouldridge.
Ferguson.	Harwood, S. P.		

Elementary German: (*Thomas's Practical German Grammar*): Dr. VOS. Tuesday, Wednesday, Friday, 9 a. m., Room 6. (9).

Basore.	Chambers, L. M.	Gemmill.	Remsen, C. M.
Brough.	Fooks.	Kilpatrick.	Robinson, G. C.
Cassidy.			

German Conversation: (*For Undergraduates*): Dr. FAUST. Tuesday, 1 p. m., Room 8. (9).

Blake.	Jones, A. D.	Longcope.	Slemons.
Burnam.	Kulpp.	Marine.	Winter.
Clark, C. C.			

(Elective Courses.)

Goethe, Aus Dichtung und Wahrheit: Dr. BAKER. Thursday, 12 m., Friday, 1 p. m. (7).

Leary.	Ritchie.	Steinfeld.	Warfield, F. H.
Parker.	Savage.	Tripp.	

Contemporary Literature, in Rapid Readings: (*Sudermann. Die Schmetterlingsschlacht; von Ebner Eschenbach. Neue Dorf- und Schlossgeschichten*): Dr. BAKER. Monday, 3 p. m., Room 6. (4).

Bansemmer.	Sioussat.	Welbourn.	West, H. S.
------------	-----------	-----------	-------------

(Supplementary Courses.)

Historical German: Dr. FAUST. Wednesday, 5 p. m., Thursday, 4 p. m., Room 8. (14).

Adams, C. A.	Daniel.	Jones, T. M.	Savage, C. A.
Callahan.	Eckels.	Kennedy.	Sikes.
Cannaday.	Ewing.	Lee.	Sparks, F. E.
Childs.	Fogle, A. W.		

Scientific German: Dr. BAKER. Monday and Thursday, 5 p. m., Room 6. (30.)

Beatty.	Frierson.	McClain.	Slemons.
Biswanger.	Grave.	Newcomer.	Stephens, J. C.
Blake.	Hankins.	O'Harra.	Stevens, A. R.
Bowlus.	Hendrickson.	Pattillo.	Walker.
Brackett.	Johnson, F. H.	Pindell.	Warren, G. W.
Caspari.	Jones, W. A.	Rothermel.	Whitehead.
Chambliss.	Lanahan.	Shoemaker.	Winter.
Clements.	Mather.		

Oral Exercises in German: Dr. FAUST. Monday, 1 p. m., Wednesday, 3 p. m., Room 8. (9.)

Barr, M. L.	Jungbluth, K.	Peppler.	Scott, J. A.
Blake.	Jungbluth, M.	Prettyman.	Woods, C. F., Jr.
Glen.			

English. (142 Students).

Classes meet in McCoy Hall.

English Seminary: (*English Poets from Donne to Dryden*): Professor BRIGHT. Tuesday and Thursday, 3-5 p. m., Room 4. (24).

Ahrens.	Chandler.	Glen.	Robertson.
Arnold, H. L.	Crittenden.	Griffin, N. E.	Schmidt.
Barr, M. L.	Edgar.	Huguenin.	Shipley.
Becker.	Farr.	Krapp.	Tupper.
Butler.	Furst.	Wollaege.	
Campbell.	Gjerret.	McBryde, J. M.	West, H. S.

English Philology: (Lectures): Professor BRIGHT. Wednesday, 4 p. m., Room 10. (26).

Ahrens.	Crittenden.	Griffin, N. E.	Robertson.
Arnold, H. L.	Crum.	Griffith.	Schmidt.
Barr, M. L.	Edgar.	Huguenin.	Shipley.
Becker.	Farr.	Krapp.	Tupper.
Butler.	Furst.	McBryde, J. M.	Wollaeger.
Campbell.	Gjerset.	Pettyman.	West, H. S.
Chandler.	Glen.		

Interpretation of Texts: (The Middle English Iwomedon): Professor BRIGHT. Thursday, 12 m., Room 12. (19).

Ahrens.	Campbell.	Griffin, N. E.	Robertson.
Arnold, H. L.	Edgar.	Griffith.	Schmidt.
Barr, M. L.	Farr.	Huguenin.	Tupper.
Becker.	Gjerset.	Krapp.	Wollaeger.
Butler.	Glen.	McBryde, J. M.	

Conferences on Literature and Grammar: Professor BRIGHT. Tuesday, 12 m., Room 12. (18).

Ahrens.	Campbell.	Griffin, N. E.	McBryde, J. M.
Arnold, H. L.	Edgar.	Griffith.	Robertson.
Barr, M. L.	Farr.	Huguenin.	Tupper.
Becker.	Gjerset.	Krapp.	Wollaeger.
Butler.	Glen.		

Journal Meeting: Professor BRIGHT. Alternate Fridays, 8-10 p. m., Room 4. (25).

Ahrens.	Crittenden.	Glen.	Robertson.
Arnold, H. L.	Crum.	Griffin, N. E.	Schmidt.
Barr, M. L.	Edgar.	Griffith.	Shipley.
Becker.	Farr.	Huguenin.	Tupper.
Butler.	Furst.	Krapp.	Wollaeger.
Campbell.	Gjerset.	McBryde, J. M.	West, H. S.
Chandler.			

Anglo-Saxon: (Major Course): Professor BRIGHT. Monday and Wednesday, 12 m., Room 8. (15).

Ahrens.	Clark, C. C.	Leary.	Robertson.
Beckwith.	Crittenden.	McComas.	Shaw.
Butler.	Huguenin.	Ogden.	Wollaeger.
Campbell.	Kurrelmeyer.	Pettyman.	

Scottish Poets from Lyndsay to Burns: Professor BROWNE. Wednesday, 11 a. m., Room 8. (16).

Ahrens.	Campbell.	Furst.	Krapp.
Barr, M. L.	Crittenden.	Griffin, N. E.	McBryde, J. M.
Becker.	Edgar.	Griffith.	Pettyman.
Butler.	Farr.	Huguenin.	Wollaeger.

Early Scottish Poets; Elizabethan Literature: (Major Course): Professor BROWNE. Tuesday and Friday, 12 m., Room 8. (5).

Clark, C. C.	Leary.	McComas.	Shaw.
Kurrelmeyer.			

English Literature: (Minor Course): Professor BROWNE. Daily, except Friday, 1 p. m., Room 6. (13).

Dohme.	McCurdy.	Palmer, J. H.	Stidman.
Gordon, A.	Miller, F. O.	Rosenbaum.	Uman.
Harden.	Myers.	Scholl.	Warfield, F. H.
Heald.			

English Literature: Professor GREENE. Monday, 5 p. m., Friday, 1 p. m., Room 9. (4).

Luchs.	Rusk.	Warfield, F. H.	Welbourn.
--------	-------	-----------------	-----------

English Literature: Professor GREENE. Monday, 9 a. m., Tuesday, 10 a. m., Wednesday, 11 a. m., Room 11. (37).

Adams, E. M.	Jenkins.	Radeliffe.	Steinfeld.
Adams, H. H.	Kalb, C. W.	Reese, H. M.	Thomas, J. H.
Baetjer.	Kaufman.	Remsen, I., Jr.	Underhill.
Belknap.	Knipp.	Schulz.	Vocke.
Burt.	Levy, W. S.	Schauck.	Warfield, L. M.
Edmunds.	Lougeope.	Shuter.	Weglein.
Gardner.	Lyon, C. E.	Slemmons.	Williams, T. D.
Guggenheimer, C. S.	Nelson.	Spragins.	Wilson, H. M.
Hancock.	Nyce.	Stanley.	Winne.
Harwood, L.			

Rhetoric and English Composition: Professor GREENE. Monday, Tuesday, Wednesday, 12 m., Room 11. (62).

Ballard.	Fowler.	Lucke.	Seth.
Bogue, H.	Francis.	Madison, J. H.	Sherbert.
Bogue, R. H.	Gordon, A.	McCurdy.	Skutch.
Brent.	Greenbaum.	McIntosh.	Smith, F. M.
Browne, B. B.	Guggenheimer, C. M.	Miller, F. O.	Smith, R. M.
Chambers, L. M.	Hammond.	Miller, R. D.	Smith, V. E.
Clauet.	Harwood, S. P.	Myers.	Stamm.
Cook, H. W.	Hirshberg.	Palmer, E. L.	Stewart.
Dieffenbach.	Hodges, C. S.	Palmer, J. H.	Stidman.
Dohme.	Howard, A. C.	Pender.	Straus.
Duffy.	Hubner.	Peters.	Thomson, J. M.
Everett.	Jones, R. H.	Pyle.	Uman.
Ferguson.	Jungbluth, K.	Renouf, V. A.	Warfield, L. M.
Fischer.	Jungbluth, M.	Robinson, E. A.	Wooldridge.
Fitzgerald.	Kennard.	Scholl.	Young.
Fooks.	Levering.		

Romance Languages. (85 Students).

Classes meet in McCoy Hall.

(Advanced Courses.)

Romance Seminary: (Old French Fables of Marie de France): Professor ELLIOTT. Tuesday, 11 a. m. to 1 p. m., Room 2. (13).

Armstrong, E. C.	Cameron.	Janney.	Ogden.
Baxter.	Frein, F. P.	Johnston, O. M.	Thieme.
Bonnette.	Keidel, G. C.	Nitze.	Wilson, R. H.
Brownell, G. G.			

French Dialects: Professor ELLIOTT. Monday, 12 m., Room 2. (12).

Armstrong, E. C.	Cameron.	Janney.	Ogden.
Baxter.	Frein, F. P.	Johnston, O. M.	Thieme.
Brownell, G. G.	Frein, P. J.	Nitze.	Wilson, R. H.

Old French Philology: Dr. MENDER. Wednesday, Thursday, and Friday, 10 a. m., Room 2. (11).

Armstrong, E. C.	Cameron.	Griffith.	Krapp.
Brownell, G. G.	Frein, P. J.	Janney.	Wilson, R. H.
Butler.	Griffin, N. E.	Johnston, O. M.	

French Physiological Phonetics: Dr. MENDER. Thursday, 11 a. m., Room 2. (10).

Armstrong, E. C.	Cameron.	Krapp.	Ogden.
Baxter.	Frein, P. J.	Nitze.	Wilson, R. H.
Brownell, G. G.	Janney.		

Old French Readings: Dr. DEHAAN. Monday and Wednesday, 3 p. m., Room 2. (10).

Childs.	Griffin, N. E.	Janney.	White.
Edgar.	Griffith.	Krapp.	Wilson, R. H.
Frein, P. J.	Holden.		

Romance Versification: Dr. KEIDEL. Tuesday and Wednesday, 9 a. m., Room 2. (12).

Armstrong, E. C.	Cameron.	Johnston, O. M.	Ogden.
Baxter.	Frein, F. P.	Krapp.	Thieme.
Brownell, G. G.	Frein, P. J.	Nitze.	Wilson, R. H.

French Poetry of the Nineteenth Century: Mr. THIEME. Monday, 4 p. m., Room 2. (19).

Armstrong, E. C.	Griffin, N. E.	Krapp.	West, H. S.
Butler.	Holden.	Nitze.	White.
Cameron.	Janney.	Ogden.	Wilson, R. H.
Frein, P. P.	Johnson, W. H.	Peuck.	Woods, C. F. Jr.
Frein, P. J.	Johnston, O. M.	Sikes.	

Popular Latin: Professor ELLIOTT. Monday, 11 a. m., Room 2. (9).

Baxter.	Frein, F. P.	Johnston, O. M.	Ogden.
Brownell, G. G.	Janney.	Nitze.	Wilson, R. H.
Cameron.			

Provençal: Dr. DEHAAN. Monday, 9 a. m., Room 2. (11).

Armstrong, E. C.	Cameron.	Johnston, O. M.	Thieme.
Baxter.	Frein, F. P.	Nitze.	Wilson, R. H.
Brownell, G. G.	Janney.	Ogden.	

Dante's Divina Commedia: Professor ELLIOTT. Wednesday, 12 m., Room 2. (12).

Armstrong, E. C.	Cameron.	Janney.	Ogden.
Baxter.	Frein, F. P.	Johnston, O. M.	Thieme.
Brownell, G. G.	Frein, P. J.	Nitze.	Wilson, R. H.

Origins of Italian Literature: Dr. MENDER. Friday, 11 a. m., Room 2. (7).

Baxter.	Frein, P. J.	Johnston, O. M.	Ogden.
Cameron.	Janney.	Nitze.	

Spanish Philology: Dr. MARDEN. Monday and Tuesday, 10 a. m., Room 2. (5).

Armstrong, E. C.	Frein, F. P.	Thieme.	Wilson, R. H.
Brownell, G. G.			

Spanish Literature of the Nineteenth Century: Dr. DEHAAN. Thursday, 4 p. m., Room 2. (6).

Armstrong, E. C.	Frein, F. P.	Thieme.	Wilson, R. H.
Brownell, G. G.	Johnston, O. M.		

Romance Club: Professor ELLIOTT. Wednesday, 11 a. m., Room 2. (12).

Armstrong, E. C.	Cameron.	Janney.	Ogden.
Baxter.	Frein, F. P.	Johnston, O. M.	Thieme.
Brownell, G. G.	Frein, P. J.	Nitze.	Wilson, R. H.

(Undergraduate Courses.)

Italian: (Minor Course): Dr. RAMBEAU. Daily, except Wednesday, 9 a. m., Rooms 7 and 10. (4).

Clark, C. C.	Hendrickson.	Johnston, W. H.	Kurrelmeyer.
--------------	--------------	-----------------	--------------

Italian: (Elective Course): Dr. MENDER. Thursday, 12 m., Friday, 1 p. m., Room 2. (5).

Becker.	Griffin, N. E.	Krapp.	Trippe.
Blake.			

Spanish: (Minor Course): Dr. DEHAAN. Daily, except Monday, 9 a. m., Room 8. (5).

Burt.	Janney.	Kalb, C. W.	Shaw.
Guggenheimer, C. S.			

French: (Major Course): Dr. RAMBEAU. Daily, except Tuesday, 10 a. m., Room 7. (6).

Clark, C. C.	Lynes.	shaw.	Wollaeger.
Kurchmeyer.	Schmidt.		

French: (Minor Course A): Dr. RAMBEAU. Daily, except Thursday, 12 m., Room 7. (26).

Armstrong, J. R. C.	Gjeraset.	Machen.	Sumwalt.
Baetjer.	Graham.	Reese, H. M.	Swaine.
Bestor.	Guggenheimer, C. S.	Robinson, G. C.	Ver Planck.
Blake.	Hancock.	Rask.	Warfield, F. H.
Burt.	Heald.	Steinfeld.	Weglein.
Gantz.	Johnson, F. H.	Sellhausen.	Wilson, H. M.
Gemmell.	Lynes.		

French: (Minor Course B): Dr. MARDEN. Daily, except Friday, 12 m., Room 6. (18).

Adams, E. M.	Burnham.	Kilpatrick.	Parker.
Adams, H. H.	Carroll, A. H.	Lehr.	Remsen, L. Jr.
Atkins.	Harwood, L.	Levy, W. S.	Siousat.
Barr, H. E.	Kaufman.	Nelson.	Smith, E. A.
Barr, M. L.	Killman.		

French: (Elements): Dr. MARDEN. Tuesday, Wednesday, and Friday, 9 a. m., Room 10. (6).

Collier.	Fosnocht.	Jungbluth, M.	Kalb, J. A.
Fogle, A. W.	Jungbluth, K.		

History and Politics. (107 Students).

Classes meet in McCoy Hall.

Historical Seminary: Professor ADAMS. Alternate Fridays, 8-10 p. m., Room 25. (28).

Adams, C. A.	Chapman.	Kennedy.	Reizenstein.
Arnold, B. W.	Du Brul.	Latane.	Riley.
Ballagh.	Ewing.	Lee.	Rutter.
Brough.	Forman.	Lynes.	Sikes.
Bryan.	Hendren.	Milton.	Smith, E. A.
Callahan.	James, B. B.	Moore, H. L.	Sparks, F. E.
Chandler.	Jones, F. R.	Neill.	Youmans.

Germanic History: Professor ADAMS. Wednesday and Thursday, 10 a. m., Room 24. (22).

Adams, C. A.	Ewing.	Lynes.	Rutter.
Barr, M. L.	Forman.	Milton.	Schloegel.
Brough.	Glen.	Neill.	Sikes.
Bryan.	Jones, F. R.	Reizenstein.	Smith, E. A.
Callahan.	Kennedy.	Riley.	Sparks, F. E.
Chandler.	Lee.		

History of the Nineteenth Century: Professor ADAMS. Friday, 10 a. m., Room 24. (18).

Adams, C. A.	Forman.	Moore, H. L.	Schloegel.
Brough.	Jones, F. R.	Reizenstein.	Sikes.
Bryan.	Lee.	Riley.	Smith, E. A.
Callahan.	Lynes.	Rutter.	Sparks, F. E.
Chandler.	Milton.		

History of Civilization: Professor ADAMS. Monday and Tuesday, 11 a. m. (17).

Brough.	Knipp.	Radcliffe.	Steinfeld.
Guggenheimer, C. S.	Levy, W. S.	Remsen, L. Jr.	Thomson, J. M.
Heald.	Lougeope.	Schunck.	Warfield, L. M., Jr.
Jenkins.	McComas.	Sellhausen.	Winne.
Jones, A. D.			

History of English Private Law: Professor EMMOTT. Monday and Tuesday, 10 a. m., Room 20. (15).

Brough.	Forman.	Milton.	Schloegel.
Callahan.	Jump.	Neill.	Sikes.
Chandler.	Kennedy.	Reizenstein.	Sparks, F. E.
Ewing.	Lee.	Rutter.	

Sources of English History: Professor EMMOTT. Thursday, 11 a. m., Room 20. (11).

Butler.	Forman.	Kennedy.	Sikes.
Callahan.	Glen.	Lynes.	Sparks, F. E.
Chandler.	Jones, F. R.	Riley.	

English Constitutional Law and History: Professor EMMOTT. Wednesday and Friday, 12 m., Room 20. (22).

Adams, T. S.	Eldridge.	Luchs.	Schmuckebier.
Brough.	Ewing.	Lynes.	Sikes.
Burton.	Glen.	Nyce.	Torsch.
Callahan.	Hardeu.	Ritchie.	Tripp.
Collier.	Jump.	Rosenbaum.	Waidner.
Dorsey, W. R.	Lec.		

American Constitutional and Political History: Dr. STEINER. Monday and Tuesday, 12 m., Room 20. (20).

Adams, T. S.	Du Brul.	Lynes.	Schmuckebier.
Burton.	Eldridge.	Nyce.	Sikes.
Chandler.	Ewing.	Ritchie.	Torsch.
Collier.	Jones, F. R.	Rosenbaum.	Tripp.
Dorsey, W. R.	Luchs.	Schloegel.	Waidner.

Social and Economic History of the Middle Ages: Dr. VINCENT. Monday and Tuesday, 11 a. m., Room 23. (17).

Adams, C. A.	Forman.	Lee.	Reizenstein.
Callahan.	Frein, P. J.	Lynes.	Riley.
Chandler.	Jones, F. R.	Milton.	Rutter.
Du Brul.	Kennedy.	Neill.	Sikes.
Ewing.			

Historical Conference: Dr. VINCENT. Wednesday, 11 a. m., Room 23. (7).

Callahan.	Ewing.	Lee.	Neill.
Du Brul.	Jones, F. R.	Lynes.	

European History: Dr. VINCENT. Thursday and Friday, 11 a. m., Room 23. (18).

Brownell, G. G.	Jones, F. R.	Radcliffe.	Steinfeld.
Frein, P. P.	Levy, W. S.	Remsen, L. Jr.	Thomson, J. M.
Guggenheimer, C. S.	Lougeope.	Schunck.	Warfield, L. M.
Heald.	Lyon, C. E.	Sellhausen.	Winne.
Jenkins.	McComas.		

Medieval and Modern History: Dr. VINCENT. Monday and Wednesday, 10 a. m., Rooms 20 and 24. (9).

Beckwith.	Leary.	Reese, H. M.	Steinfeld.
Blake.	Nelson.	Slemons.	Weglein.
Kaufman.			

History Minor: Greece: Mr. CALLAHAN. Monday and Wednesday, 10 a. m.; **Rome:** Dr. BALLAGH. Thursday and Friday, 10 a. m., Room 23. (16).

Brent.	Guggenheimer, C. M.	Miller, R. D.	Sherbert.
Clunet.	Hubner.	Radcliffe.	Skutch.
Dieffenbach.	Kennard.	Robinson, E. A.	Stewart.
Gordon, A.	McIntosh.	Seth.	Uman.

Theory of the State: Dr. WILLOUGHBY. Thursday and Friday, 11 a. m. (14).

Adams, C. A.	Burton.	Lee.	Reizenstein.
Arnold, B. W.	Ewing.	Milton.	Schloegel.
Brough.	Jump.	Moore, H. L.	Smith, E. A.
Bryan.	Kennedy.		

Economic Conference: Dr. SHERWOOD. Alternate Fridays, 8-10 p. m., Room 25. (18).

Adams, C. A.	Chandler.	Moore, H. L.	Rutter.
Arnold, B. W.	Chapman.	Neill.	Sikes.
Brough.	Du Brul.	Reizenstein.	Smith, E. A.
Bryan.	Forman.	Riley.	Sparks, F. E.
Callahan.	Lynes.		

Physiocrats: Dr. SHERWOOD. Thursday, 3-5 p. m., Room 21. (7).

Arnold, B. W.	Du Brul.	Neill.	Rutter.
Bryan.	Moore, H. L.	Reizenstein.	

Credit and Money: Dr. SHERWOOD. Wednesday and Thursday, 9 a. m., Room 24. (18).

Adams, C. A.	Chandler.	Moore, H. L.	Rutter.
Arnold, B. W.	Chapman.	Neill.	Sikes.
Brough.	Du Brul.	Reizenstein.	Smith, E. A.
Bryan.	Forman.	Riley.	Sparks, F. E.
Callahan.	Lynes.		

Elements of Economics: Dr. SHERWOOD. Thursday and Friday, 10 a. m., Room 19. (33).

Beckwith.	Jones, A. D.	Nelson.	Steinfeld.
Binswanger.	Jump.	Reese, H. M.	Thomas, J. H.
Blake.	Kalb, C. W.	Remsen, L. Jr.	Thomson, J. M.
Diehl.	Kaufman.	Ritchie.	Wallis.
Gantz.	Leary.	Sellhausen.	Warfield, L. M.
Guggenheimer, C. S.	Levy, W. S.	Siousat.	Warren, G. M.
Harwood, L.	Marine.	Slemons.	Weglein.
Heald.	McComas.	Stanley.	Welbourn.
Jenkins.			

History of Economic Theories: Dr. HOLLANDER. Tuesday, 9 a. m., Room 21. (18).

Adams, C. A.	Chandler.	Kennedy.	Riley.
Arnold, B. W.	Chapman.	Moore, H. L.	Rutter.
Brough.	Du Brul.	Neill.	Sikes.
Bryan.	Forman.	Reizenstein.	Smith, E. A.
Callahan.	Jones, F. R.		

Economic Development of Baltimore: Dr. HOLLANDER. Friday, 9 a. m., Room 21. (7).

Bryan.	Du Brul.	Reizenstein.	Rutter.
Chapman.	Forrest.		

Advanced Economic Elective: Dr. HOLLANDER. Monday, 9 a. m., Thursday, 12 m., Room 21. (16).

Adams, C. A.	Bryan.	Luchs.	Reizenstein.
Adams, T. S.	Chapman.	Lynes.	Rutter.
Arnold, B. W.	Du Brul.	Moore, H. L.	Smith, E. A.
Brough.	Harden.	Neill.	Torsch.

Development of Economic Thought: Dr. HOLLANDER. Monday and Wednesday, 10 a. m., Room 19. (16).

Gantz.	Jenkins.	McComas.	Stanley.
Guggenheimer, C. S.	Jones, A. D.	Remsen, L. Jr.	Thomas, J. H.
Harwood, L.	Kalb, C. W.	Ritchie.	Thomson, J. M.
Heald.	Levy, W. S.	Sellhausen.	Wallis.

Philosophy. (48 Students).

Classes meet in Room 12, McCoy Hall.

History of Philosophy: Professor GRIFFIN. Friday, 4 p. m. (10).

Caldwell.	Hardy.	Montgomery.	Pretzman.
Cameron.	Jannet.	Moore, H. L.	Waidner.
Crittenden.	Kilpatrick.		

Deductive and Inductive Logic: until December 15; **Psychology:** after December 15: Professor GRIFFIN. Daily, 11 a. m.; **Outlines of the History of Philosophy:** Tuesday, 10 a. m. (38).

Adams, T. S.	Eldridge.	Lucas.	Stevens, A. R.
Beatty.	Forrest.	Machen.	Sumwalt.
Binswanger.	Gassman.	Marine.	Torsch.
Bowlus.	Graham.	Parker, H. P.	Tripp.
Caspari.	Harden.	Ritchie.	Wallis.
Clark, C. C.	Hendrickson.	Rosenbaum.	Warfield, F. H.
Collier.	Johnson, F. H.	Schmeckebier.	Warren, G. W.
Cox, G. E.	Kurrelmeyer.	Shaw.	Welbourn.
Diehl.	Lacy.	Sioussat.	West, J. M.
Dorsey, W. R.	Lanahan.		

Drawing. (87 Students).

Classes meet in Front Building, Howard St.

Freehand Drawing: Mr. WHITEMAN. Tuesday and Thursday, 2 to 5 p. m., Room 18. (70).

Ballard.	Fooks.	Kalb, J. A.	Robinson, E. A.
Bampton.	Fosnocht.	Kennard.	Robinson, G. C.
Beeuwkes.	Fowler.	Levering.	Scholl.
Bestor.	Francis.	Lucke.	Seth.
Bogue, H.	Gardner.	Madison, J. H.	Sherbert.
Bogue, R. H.	Gemmell.	McComas.	Skutch.
Brent.	Gordon, A.	McIntosh.	Smith, F. W.
Browne, B. B.	Greenbaum.	Miller, F. O.	Smith, R. M.
Chambers, L. M.	Guggenheimer, C. M.	Myers.	Smith, V. E.
Clunet.	Hammond.	Palmer, E. L.	Staum.
Cook, H. W.	Harwood, S. P.	Palmer, J. H.	Stewart.
Dieffenbach.	Hirshberg.	Pender.	Stidman.
Dohme.	Hodges, C. S.	Peters.	Straus.
Duffy.	Howard, A. C.	Pyle.	Tilman.
Everett.	Hubner.	Remsen, C. M.	Winsey.
Ferguson.	Jones, R. H.	Renouf, V. A.	Woodbridge.
Fischer.	Jungbluth, K.	Ritchie.	Young.
Fitzgerald.	Jungbluth, M.		

Mechanical Drawing: (For Students of Applied Electricity): Mr. GEER. Monday and Tuesday, 2 to 5 p. m., Rooms 7 and 8. (17).

Bowman.	Hill.	McCaskell.	Powell.
Corbin.	Hodges, G. H.	Merrill.	Reeder.
Deutsch.	Keidel, F. B.	Phelps.	Schwab.
Gordon, J. H.	Maynard.	Pindell.	Waring.
Harriman.			

STUDENTS IN THE JOHNS HOPKINS MEDICAL SCHOOL.**CANDIDATES FOR THE DEGREE OF M. D.****Third Year. (18).**

Brown, L.	Hamburger, L. P.	McCulloh, W. W.	Packard, M. S.
Brownell, E. E.	Hanner, G. L.	Mitchell, J. F.	Pancoast, O. B.
Buckler, H. W.	Lyon, I. P.	Nichols, J. L.	Penrose, C. A.
Davis, F. C.	McCallum, W. G.	Opie, E. L.	Strong, R. P.
Davis, J. S.	McBryde, C. N.		

Second Year. (31).

Baer, W. S.	Ford, W. W.	Lupton, F. A.	Sands, G.
Benson, T. P.	Hastings, T. W.	Madison, J. D.	Schenck, B. R.
Calvert, W. J.	Herrick, A. B.	Malthy, F. S.	Steele, H. M.
Cassidy, P. J.	Johnstone, M. M. S.	Marshall, H. T.	Steiner, W. R.
Coe, J. W., Jr.	Knox, J. H. M.	O'Connell, D. M.	Walker, E. E.
Cox, W.	Langfeld, M.	Perkins, R. G.	Whitridge, A. H.
Dawson, P. M.	Lebus, L.	Porter, K.	Wolfe, K. M.
Elting, A. W.	Light, G.	Pratt, J. H.	

First Year. (38).

Bardeen, C. R.	Follis, R. H., Jr.	Lyle, A. G.	Steensland, H. S.
Brown, T. R.	Fulton, F. T.	Lynch, F. W.	Stone, W. R.
Church, C. C.	Gallagher, J. D.	Moore, H. M.	Strobel, E. R.
Davis, H. B.	Harris, H.	Oliver, E. S.	Verboeff, F. H.
Day, L. W.	Herrmann, C.	Ottley, C. W.	Walcott, W. S., Jr.
Emerson, C. P.	Hoye, H. J.	Owsley, P. O.	Williams, W. W.
Epler, B. N.	Johnson, K. M.	Pleasant, J. H., Jr.	Wolcott, C. A.
Erlanger, J.	Ladd, L. W.	Rosenheim, S.	Wyckoff, S. D.
Evans, P. J., Jr.	Little, C. S.	Sampson, J. A.	Yates, L.
Flint, J. M.	Luetischer, J. A.		

PHYSICIANS ATTENDING SPECIAL COURSES. (33).

Arslanides, M. T.	Conner, C. B.	Hirsh, J. L.	Peed, G. P.
Bishop, J. S.	Cowan, I.	Hoke, M.	Potter, C. H.
Blackwell, E.	Deweese, C.	Hurt, H.	Roger, F. L.
Block, E. B.	Eaton, L.	Knox, H. L.	Slack, H. R.
Brown, G. S.	Firebaugh, T.	Lartigan, A. L. J.	Sommer, G. N. J.
Carruthers, G.	Fullerton, W. W.	Lewis, J. L.	Terrell, T. K.
Cheatham, G.	Gilbert, J. L.	Merrill, W. H.	Underwood, A. M.
Cone, C.	Givens, J. W.	Moore, M. W.	Veith, C. A.
Cook, E. P., Jr.			

SYNOPSIS OF A COURSE IN SCOTTISH POETRY FROM LYNDSEY TO BURNS.

By Professor WILLIAM HAND BROWNE, on Wednesdays at 11 a. m., in Room 8, McCoy Hall.

*Introductory and Historical.**The Lutheran Period:*—The Wedderburns.*The Humanistic Influences:*—Buchanan, Delitiae Poetarum Scotorum.*Continuance of the Older Literature:*—Stewart, Ballendyne, Maitland and others, Rolland. The Bannatyne and Maitland MSS.*The Early Drama:*—Moralities, Philotus.*Minor Poets:*—A. Scott, Arbuthnot, Flemyng, &c.*Satirists:*—Sempill, Satirical Poems of the Reformation, Satirical Poems of the 17th Century.*Montgomery and the Humes.**Jacobean Poets:*—James VI, Aytoun, Alexander, etc.*A Poet Apart:*—Drummond of Hawthornden.*Ballad Poetry.**Poets of the Scottish Revival:*—Ramsay, Fergusson, Ross, Hamilton of Bangour.*Anglo-Scottish Poets:*—Thomson, Blair, Armstrong, Wilkie, Falconer, Bruce, Home, Beattie, and others.*Gaelic Romanticism:*—Macpherson.**SCOTTISH POETS FROM LYNDSEY TO BURNS.**

These are texts only. Criticisms and other help-books are too numerous to specify. The editions named are not in all cases the best.

SOURCES.

<i>Ld. Hailes</i> —Ancient Scottish Poems.....	Edinburgh, 1770.	H.
<i>Pinkerton</i> —Ancient Scottish Poems. 2 v.....	London, 1786.	H.
<i>Sibbald</i> —Chronicle of Scottish Poetry. 4 v.....	Edinburgh, 1802.	P.
<i>Dalyell</i> —Scottish Poems of Sixteenth Century. 2 v.....	Edinburgh, 1801.	P.
<i>Buchanan</i> —Opera Omnia. 2 v.....	Leyden, 1625.	P.
<i>Knox</i> —History of Reformation. 2 v.....	Edinburgh, 1846.	H.
<i>Delitiae Poetarum Scotorum</i>	Amsterdam, 1637.	H.
<i>A. Montgomery</i> —Poems.....	Scot. Text Society.	H.
<i>Satirical Poems of Reformation</i>	Scot. Text Society.	H.
<i>Caldwood</i> —History of Kirk of Scotland.....	Wodrow Society.	P.
<i>Maidment</i> —Scottish Pasquils.....	Edinburgh, 1863.	P.
<i>Laing</i> —Ancient Popular Poetry of Scotland (reprint).....	Edinburgh, 1885.	H.
<i>Laing</i> —Early Metrical Tales.....	Edinburgh, 1826.	P.
<i>Watson</i> —Collectioun Scottish Poems (reprint).....	Glasgow, 1869.	H.
<i>A. Scott</i> —Poems. Ed. Laing.....	Edinburgh, 1824.	P.
<i>Rolland</i> —Court of Venus.....	Scot. Text Society.	H.
<i>Rolland</i> —Seven Sages.....	Bannatyne Club.	P.
<i>Gardyne</i> —Poems.....	Abbotsford Club.	P.
<i>Lundie</i> —Poems.....	Abbotsford Club.	P.
<i>Murray of Gorthy</i> —Poems.....	Bannatyne Club.	P.
<i>The Sempill Ballades</i>	Edinburgh, 1872.	H.
<i>James VI</i> —Poems.....	Arber's Reprint.	H.
<i>Montrose</i> —Poems.....	(in Watson).	H.
<i>Eyre-Todd</i> —Scottish Poems Sixteenth Century.....	Abbotsford Series.	H.
<i>Alexander, Sir Wm.</i> —Poetical Works. 3 v.....	Glasgow, 1870.	H.
<i>Drummond, W.</i> —Poetical Works.....	London, 1856.	H.
<i>Drummond, W.</i> —Complete Works.....	Edinburgh, 1711.	P.
<i>Leyden</i> —Scottish Descriptive Poems.....	Edinburgh, 1803.	H.
<i>Aytoun, R.</i> —Poems.....	Edinburgh, 1844.	H.
<i>Lithgow, W.</i> —Poetical Remains.....	Edinburgh, 1863.	H.
<i>Child</i> —English and Scottish Ballads.....	Boston, 1882-9.	H.
<i>Percy Ballads</i> . 3 v.....	London, 1868.	H.
<i>Motherwell</i> —Minstrelsy.....	Boston, 1846.	P.
<i>Scott</i> —Minstrelsy of Scottish Border.....	(in Works).	H.
<i>Kinloch</i> —Ancient Scottish Ballads.....	London, 1827.	H.
<i>Pinkerton</i> —Select Scottish Ballads. 2 v.....	London, 1783.	H.
<i>Gilchrist</i> —Ancient Scottish Ballads. 2 v.....	London, 1814.	H.
<i>Eyre-Todd</i> —Scottish Ballad Poetry.....	Abbotsford Series.	H.
<i>Ramsay, A.</i> —Poetical Works.....	London, 1809.	H.
<i>Ramsay, A.</i> —Ever-Green.....	Glasgow, 1876.	H.
<i>Ramsay, A.</i> —Tea-Table Miscellany.....	Glasgow, 1876.	H.
<i>Fugitive Scottish Poetry</i>	Edinburgh, 1853.	H.
<i>Fergusson, R.</i> —Poetical Works.....	London, 1807.	P.
<i>Thomson, J.</i> —Poetical Works.....	Aldine Series.	H.
<i>Mallet (Malloch), D.</i> —Poetical Works.....	(Anderson's Br. Poets).	P.
<i>Armstrong, J.</i> —Poems.....	(Anderson's Br. Poets).	P.
<i>Blair, R.</i> —The Grave.....	(Anderson's Br. Poets).	P.
<i>Macpherson, J.</i> —Ossian.....	Edinburgh, 1870.	P.
<i>Falconer, W.</i> —Poems.....	Aldine Series.	H.
<i>Home, J.</i> —Works.....	Edinburgh, 1822.	H.
<i>Mickle, W. J.</i> —Poems.....	(Anderson's Br. Poets).	P.
<i>Bruce, W.</i> —Poems.....	Edinburgh, 1807.	H.
<i>Hamilton, W.</i> —Poems.....	Edinburgh, 1850.	H.
<i>Logan, J.</i> —Poems.....	(Anderson's Br. Poets).	P.
<i>Beattie, J.</i> —Poems.....	Aldine Series.	H.

H indicates those in the University Library.

P indicates those in the Peabody Library, but not in the University Library.

PROCEEDINGS OF SOCIETIES.

Scientific Association.

October 17, 1895.—Annual Business Meeting. The following officers were elected for the current academic year:

IRA REMSEN, *President*; WM. H. HOWELL, *Vice-President*; CHARLES L. POOR, *Secretary*.

Philological Association.

October 18.—One hundred and forty-fourth regular meeting. Professor Gildersleeve in the chair. Forty-eight members were present.

Papers read:

Shakespeare's Falstaff Plays, burlesqued in Elizabethan Drama, by H. WOOD.

On Adaptation and Assimilation in Congeneric Classes of Words, by M. BLOOMFIELD.

Historical and Political Science Association.

Papers read:

October 4, 1895.

Freeman the Scholar and Professor, by H. B. ADAMS. (Published in the Yale Review, November, 1895).

Discovery of David Ricardo's Letters, by J. H. HOLLANDER.

A Summer Vacation in Oxford, by J. M. VINCENT.

November 1.

Lord Amherst and the Conquest of Canada, by H. B. ADAMS.

Graham on the Mecklenburg Declaration of Independence, by E. W. SIKES.

Hoffman on the Beginnings of Writing, by J. S. REEVES.

Geer on English Colonization Ideas, by J. S. REEVES.

November 15.—Science and Good Government, by H. B. ADAMS.

Mathematical Seminary.

Conducted by Professor THOMAS CRAIG.

October Meetings.—H. A. SAYRE, *Director*.

October 9.—General Remarks, by Professor CRAIG.

October 16.—Elliptic Coordinates, by H. A. SAYRE.

October 23.—Elliptic Coordinates, by N. A. PATTILLO.

October 30.—Congruences, by J. S. MORRIS.

November 6.—Congruences, continued, by J. S. MORRIS.

Baltimore Naturalists' Field Club.

October 8.—Annual Business Meeting. The following officers were elected for the current year.

C. P. SINGERFOOS, *President*; B. W. BARTON, *Vice-President*; C. E. WATERS, *Secretary*; F. S. CONANT, *Chairman Zoological Section*; J. E. HUMPHREY, *Chairman Botanical Section*.

Papers read:

Habits of Sea Urchins, by C. B. WILSON.

Two New Ferns near Baltimore, by C. E. WATERS.

The Need of Studying our Cryptogamic Flora, by J. E. HUMPHREY.

Young Men's Christian Association.

October 3.—Thursday. Reception to New Students.

October 4.—Friday. Opening Meeting.

October 8.—Tuesday. Meeting in the interest of Bible Study.

October 15.—Tuesday. Meeting in the interest of the Lawrence Memorial Association University Settlement.

October 18.—Friday. Visit of Mr. GILBERT A. BEAVER, College Secretary of the International Committee of Y. M. C. A. Public Meeting in the afternoon. Conference of Committees in the evening.

October 22.—Tuesday. Beginning of Bi-weekly Department Meetings.

LECTURES ON ARCHITECTURE.

By the liberality of J. B. NOEL WYATT, Esq., of Baltimore, the Trustees of the Johns Hopkins University were enabled to announce a course of three lectures upon the History of Architecture.

The first lecture was by Mr. HENRY VAN BRUNT, of Kansas City, on "Classical Architecture;" the second, by Professor WILLIAM R. WARE, of Columbia College, on "Gothic Architecture;" the third, by Mr. C. HOWARD WALKER, of Boston, on "The Renaissance."

The lectures were given in McCoy Hall on successive Monday afternoons at five o'clock, as follows: Monday, November 4, Mr. VAN BRUNT; Monday, November 11, Professor WARE; Monday, November 18, Mr. WALKER.

PRESIDENT GILMAN gave an account of his impressions of the Atlanta Exposition to members of the University and their friends, in McCoy Hall, Friday, November 1, at 5 o'clock.

Professor GILDERSLEEVE has recently been elected an Honorary Member of the Archæological Society of Athens.

Professor NEWCOMB has recently been elected a Foreign Member of the Reale Accademia dei Lincei at Rome.

STUDIES IN HISTORY AND POLITICS.

The Thirteenth Series is now complete. It contains the following papers:

I-II. Government of the Colony of South Carolina. By EDSON L. WHITNEY.

III-IV. Early Relations between Maryland and Virginia. By J. H. LATANÉ.

V. The Rise and Development of the Bicameral System in America. By THOMAS F. MORAN.

VI-VII. White Servitude in the Colony of Virginia. By JAMES C. BALLAGH.

VIII. The Genesis of California's First Constitution (1846-1849). By R. D. HUNT.

IX. Benjamin Franklin as an Economist. By W. A. WETZEL.

X. The Provisional Government of Maryland (1774-1777). By J. A. SILVER.

XI-XII. Government and Religion of the Virginia Indians. By S. R. HENDREN.

Price \$3.50, bound in cloth.

The Fourteenth Series will begin in January, 1896. It will contain papers as follows:

City Government of Baltimore. By THADDEUS P. THOMAS.

Financial History of Baltimore. By J. H. HOLLANDER.

Slavery in North Carolina. By JOHN S. BASSETT.

The Communists of Colonial Maryland. By BARTLETT B. JAMES.

Higher Popular Education in Baltimore. By HERBERT B. ADAMS.

Christian Missions in China. By CHARLES SUMNER ESTES.

Christian Missions in Japan. By MASANOBU ISHIZAKA.

Constitutional History of Virginia. By J. A. C. CHANDLER.

Colonial Origins of the U. S. Senate. By F. L. RILEY.

Horne Tooke, the English Publicist. By SAMUEL E. FORMAN.

The History of Taxation in Connecticut (1636-1776). By F. R. JONES.

Causes of the Rebellion of 1688 in Maryland. By F. E. SPARKS.

Other papers may be announced later. Subscription \$3.00 per year.

AMERICAN JOURNAL OF MATHEMATICS.

Vol. XVII, No. 4, October, 1895, is now ready. It contains the following papers:

On the Deformation of Thin Elastic Wires. By A. B. BASSET.

Investigations in the Lunar Theory. By ERNEST W. BROWN.

Ueber den Sinn der Windung in den singulären Punkten einer Raumcurve. Von OTTO STAUBE.

Volume XVIII will begin in January, 1896. The subscription is \$5.00 per yearly volume.

ENEAS B. GOODWIN, A. M., has, on the recommendation of the Academic Council, been appointed by the Board of Trustees to the Fellowship in Semitic Languages lately resigned by Mr. Caspar Levis.

The Annual Meeting of the CHARITY ORGANIZATION SOCIETY of Baltimore was held in McCoy Hall, Monday evening, November 11.

OBITUARY.

CHESTER CLARK WOOD, of Washington, D. C., who graduated as a Bachelor of Arts of the Johns Hopkins University in June, 1894, died at Providence Island, R. I., September 11, 1895.

THOMAS MARION ANDERSON died at his home in Marion, Va., October 23, 1895. Mr. Anderson, who was a graduate of Richmond College in 1882, entered the Johns Hopkins University in October, 1894, and spent the following year here as a student in Romance Languages.

The Johns Hopkins University Circulars are issued monthly. They are printed by Messrs. JOHN MURPHY & CO., No. 44 West Baltimore Street, Baltimore, from whom single copies may be obtained; they may also be procured from Messrs. CUSHING & CO., No. 34 West Baltimore Street, Baltimore. Subscriptions \$1.00 a year, may be addressed to THE JOHNS HOPKINS PRESS, BALTIMORE; single copies will be sent by mail for ten cents each.

HOURS FOR LECTURES AND RECITATIONS, FIRST HALF-YEAR, 1895-96.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
A. M.	Algebraic Integrals. (Craig.) Carbon Compounds. (Romsen.) Latin Pro-Seminary. (Smith.) Italian. (Rambaud.) Algebra and Calculus. (Cohen.) Electricity. (Duncan.) Middle High German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Carbon Compounds. (Romsen.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Chemistry: Journal Meeting. (9-10.30.) Physical Seminary. (Ames.)
9	Provençal. (De Haan.) Greek Seminary. (Gildersleeve.) Thermodynamics. (Rowland.) Physiological Journal Club. (Howell.) Osteology. (Andrews.) Theory of Surfaces. (Craig.) Latin Composition. (Smith.) German: Major. (Vos.) French: Major. (Rambaud.) English Law. (Emmott.) Ancient History. (Callahan.) Spanish Philology. (Marden.) Descriptive Astronomy. (Poor.) Algebra and Geometry. (Cohen.) Scrabble Poets. (Wood.) History of Philosophy. (Griffin.) Zoology. (Andrews.)	Provençal. (De Haan.) Greek Seminary. (Gildersleeve.) Thermodynamics. (Rowland.) Physiological Journal Club. (Howell.) Osteology. (Andrews.) Theory of Surfaces. (Craig.) Latin Composition. (Smith.) German: Major. (Vos.) French: Major. (Rambaud.) English Law. (Emmott.) Ancient History. (Callahan.) Spanish Philology. (Marden.) Descriptive Astronomy. (Poor.) Algebra and Geometry. (Cohen.) Scrabble Poets. (Wood.) History of Philosophy. (Griffin.) Zoology. (Andrews.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
10	German: Minor. (Wood.) Theory of Functions. (Chesin.) Civilization. (Adams.) Latin Seminary. (Warren.) Roman Historiography. (Griffin.) Logic and Psychology. (Griffin.) German: Minor B. (Faust.) Middle Ages. (Vincent.) Botany. (Humphrey.) Popular Latin. (Elliot.) Mineralogy. (Mathews.) Steam Engineering. (Geer.)	German: Minor. (Vos.) Theory of Functions. (Chesin.) Civilization. (Adams.) Latin Seminary. (Warren.) Roman Historiography. (Griffin.) Logic and Psychology. (Griffin.) German: Minor B. (Faust.) Middle Ages. (Vincent.) Botany. (Humphrey.) Popular Latin. (Elliot.) Mineralogy. (Mathews.) Steam Engineering. (Geer.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
11	Physics: Major. (Ames.) Greek: Major. (Spicker.) French: Minor. (Rambaud.) Anglo-Saxon. (Bright.) Rhetoric. (Greene.) General Geology. (Clark & Mathews.) French Dialects. (Elliot.) Zooological Journal Club. (Brooks.) Transformation Groups. (Chesin.) French: Minor B. (Marden.) Amer. Institutional Hist. (Seiber)	Physics: Major. (Ames.) Greek: Major. (Spicker.) French: Minor. (Rambaud.) Anglo-Saxon. (Bright.) Rhetoric. (Greene.) General Geology. (Clark & Mathews.) French Dialects. (Elliot.) Zooological Journal Club. (Brooks.) Transformation Groups. (Chesin.) French: Minor B. (Marden.) Amer. Institutional Hist. (Seiber)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
M.	Physics: Major. (Ames.) Greek: Major. (Spicker.) French: Minor. (Rambaud.) Anglo-Saxon. (Bright.) Rhetoric. (Greene.) General Geology. (Clark & Mathews.) French Dialects. (Elliot.) Zooological Journal Club. (Brooks.) Transformation Groups. (Chesin.) French: Minor B. (Marden.) Amer. Institutional Hist. (Seiber)	Physics: Major. (Ames.) Greek: Major. (Spicker.) French: Minor. (Rambaud.) Anglo-Saxon. (Bright.) Rhetoric. (Greene.) General Geology. (Clark & Mathews.) French Dialects. (Elliot.) Zooological Journal Club. (Brooks.) Transformation Groups. (Chesin.) French: Minor B. (Marden.) Amer. Institutional Hist. (Seiber)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
12	Physics: Major. (Ames.) Greek: Major. (Spicker.) French: Minor. (Rambaud.) Anglo-Saxon. (Bright.) Rhetoric. (Greene.) General Geology. (Clark & Mathews.) French Dialects. (Elliot.) Zooological Journal Club. (Brooks.) Transformation Groups. (Chesin.) French: Minor B. (Marden.) Amer. Institutional Hist. (Seiber)	Physics: Major. (Ames.) Greek: Major. (Spicker.) French: Minor. (Rambaud.) Anglo-Saxon. (Bright.) Rhetoric. (Greene.) General Geology. (Clark & Mathews.) French Dialects. (Elliot.) Zooological Journal Club. (Brooks.) Transformation Groups. (Chesin.) French: Minor B. (Marden.) Amer. Institutional Hist. (Seiber)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
P. M.	Analytic Geom. (Hulbart.) English: Minor. (Browne.) Greek: Minor. (Spicker.) German Oral Exercises. (Faust.) Mechanical Drawing. (Geer.) Post-Biblical Hebrew. (Rosenau.) Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Analytic Geom. (Hulbart.) English: Minor. (Browne.) Greek: Minor. (Spicker.) German Oral Exercises. (Faust.) Mechanical Drawing. (Geer.) Post-Biblical Hebrew. (Rosenau.) Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
1	Analytic Geom. (Hulbart.) English: Minor. (Browne.) Greek: Minor. (Spicker.) German Oral Exercises. (Faust.) Mechanical Drawing. (Geer.) Post-Biblical Hebrew. (Rosenau.) Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Analytic Geom. (Hulbart.) English: Minor. (Browne.) Greek: Minor. (Spicker.) German Oral Exercises. (Faust.) Mechanical Drawing. (Geer.) Post-Biblical Hebrew. (Rosenau.) Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
2	Mechanical Drawing. (Geer.) Post-Biblical Hebrew. (Rosenau.) Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Mechanical Drawing. (Geer.) Post-Biblical Hebrew. (Rosenau.) Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
3	Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
4	Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Hebrew: Adv. (Haupt.) German Literature. (Baker.) Old French Readings. (De Haan.) Mechanical Drawing. (Geer.) Comparative Philol. (Bloomfield.) Biblical Annals. (Thieme.) French Literature. (Thieme.) Mechanical Drawing. (Geer.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	
5	Arabic Composition. (Haupt.) (5.30.) Scientific German. (Baker.) English Literature. (Greene.)	Arabic Composition. (Haupt.) (5.30.) Scientific German. (Baker.) English Literature. (Greene.)	Mathematical Seminary. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Algebraic Integrals. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	Math. Conference. (Craig.) Gen. Chem. Minor. (Ramsen.) Physical Chemistry. (Horse.) Chemistry: Major. (Renouf & Randall.) Latin Composition. (Wilson.) German Seminary. (Wood.) Determinants and Calculus. (Cohen.) Electricity. (Duncan.) Elementary German. (Vos.) Historical Geology. (Clark.) Economic Theories. (Hollander.) Modern Greek. (Xenides.) Differential Equations. (Hulbart.) Physiological Seminary. (Howell.) English Literature. (Greene.)	